Please	Type a	nlus	sign	(+)	inside	this	bo

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Filing

WE THADE

Declaration Submitted OR with initiai

Declaration Submitted after initial Filing (surcharge (37 CFR 1.16(e)) required)

Attorney Dock t Number	BP2867
First Named Inventor	Tong Zhang
COMPLETE	IF KNOWN
Application Number	
Filing Date	September 30, 2003
Group Art Unit	2681
Examiner Name	Unknown

	As	a below	named	inventor.	. I hereb	y declare th	at:
--	----	---------	-------	-----------	-----------	--------------	-----

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

WIRELESS HUMAN INTERFACE DEVICE HOST INTERFACE SUPPORTING BOTH **BIOS AND OS INTERFACE OPERATIONS**

the specification of is attache									
OR was filed	on Septembe	r 30, 2003 as	s United SI	tates Application Number 10	0/675,80	3			
I hereby state that I any amendment spe				contents of the above identifi	ied speci	fication, ir	ncluding the claims	, as an	nended by
I acknowledge the o	luty to disclos	e informatio	n, which is	material to patentability as o	defined in	37 CFR	1.56.		
or 3659a) of any PC below and have also	T international identified be	al application low, by chec	which des king the b	119(a)-(d) or 365(b) of any fo signated at least one country ox, any foreign application fo of the application on which p	y other the or patent	an the Un or invento	ited States of Ame	rica, lis	sted
Prior Foreign App	1	Count	y	Foreign Filing Date		iority	Certified Cor		
Number(s)				(MM/DD/YYYY)	Not 0	Claimed	YES	NO	
-									
		71.72						F	
Additional fore	ign application	n numbers a	re listed or	n a supplemental priority dat	a sheet F	TO/SB/0	2B attached hereto	<u>—</u> —	
				y United States provisional a					
Application	n Number	r(s)	Fili	ng Date (MM/DD/YYY	Ŷ)	I A	ditional provisio	nal apı	olication
60/3	Application Number(s) Filing Date (MM/DD/YYYY) Additional provisional application 60/373,314 April 17, 2002 numbers are listed on a						•		
60/452,251 March 5, 2003 supplemental priority data sheet									
				March 5, 2003					
60/4	152,251 154,294						pplemental priori O/SB/02B attache		

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application

U.S. Par		ation or PC nber	T Pare	nt				ng Dat YYYY)	е		Pa		Patent applica		
		1,030 9,060			N			8, 20 , 2003			-				I
Addition	nal U.S. or P	CT internation	onal ap	plication	numbers	are li	sted o	on a su	plemer	ntal	priority data shee	t PTC)/SB/021	B att	ached hereto
Direct all cor			Custon	ner Num	ber		399	OR [pondence addres				
Name	Bruce E.	Garlick	or Bar	Code L	abei										
Address		Harrison &	Markis	on, LLF	•										
Address	P.O. Box	160727													
City	Austin					-	State		TX	<u> </u>	04.004.0		Zip	-	3716-0727
Country I hereby dec		statements	made	herein o	f my ow			phone le are t			264-8816 at all statements	made	Fax e on inf		12) 264-3735 ation and belief
are believed	to be true; inishable by	and further / fine or imp	that the	ese state ent, or b	ements v	vere n	nade	with th	e know	ledo	ge that willful fals such willful false	e sta	tement	s an	d the like so
Name of Fir	st Inventor	r:								\ pe	tition has been fi	iled fo	or this u	ınsic	ned inventor
	Given N	ame (first a	nd mide	dle [if an	y])						Family Nam				
		Tor	ng		,						Zh	ang			
Inventor's S	Signature	-)~{			<u> </u>		_				Da	/20/	52	
Residence:	City	San Dieg	0		State	C	A	Co	untry	T	us	Cit	izenshi	ip	China
Post Office		10163 Pr	airie Fa	wn Dr.								<u> </u>		•	
Post Office	Address	Oran Biran		1 00-1	- 04				0040						
City Name of Inv	entor:	San Dieg	0	Stat	e CA		Zip		92127				untry		US
Name of my		(51	- 1 - 1	n - 616 -	- 1\			r	A) pe	tition has been fi				ned inventor
	Given N	ame (first ai Yuqia		ne (ir an	עע						Family Nam			ne	, _
Inventor's S	ignature	Tuyla	ii C.					<u> </u>			VV	ong Da		. 1	· · · · · · · · · · · · · · · · · · ·
		4	2	2		-	>					2	1. /	ا در	
Residence:	City	San Dieg			State	C	A	Co	untry	Ţι	US	Cit	izenshi	р	US
Post Office		11676 Cy	press	Canyon	Rd.										
Post Office	Address	Con Diam			- 1 64		7:-		00404						
City Name of Inv	entor:	San Dieg	0	State	e CA		Zip		92131				untry		US
Traine of the		ama (first a	nd mid	do lif on	v1\			ı	<u> </u>	pe	tition has been fi				ned inventor
	Given N	ame (first a Rober		ne [ii an	<u>y)) </u>			l .			Family Nar	ilve		me	
Inventor's S	Signature	Hober									110	Dat		Т	
Residence:	City	Hermosa	Pagah		State	CA		L C-	untry	Τ.	IC .	C:4	b:		110
Post Office		414 2 nd S			State	<u> </u> CA		1 00	untry	1.	JS	Citi	izenshi	p 1	US
Post Office															··
City		Hermosa Beach	· [State	CA		Zip		90254			Co	untry		US
Name of Inv	rentor:								A	pet	tition has been fi	led fo	r this u	nsig	ned inventor
	Given N	ame (first ai	nd midd	dle [if an	y])						Family Nam		Surnam	е	
		Ang	iel ,		,			Ļ			P	olo			
Inventor's S	Signature	\ \ \	hu	/	[h]	1	ι					Dat	· /	3	
Residence:	City	San Dieg	gu	1	State	C	۸	Co	untry	Τι	JS	Citi	zenshi	<u>-</u>	US
Post Office		4131 Can	ninito [Davila											· · · · · · · · · · · · · · · · · · ·
Post Office	Address				100	,									
City Name of Inv		San Dieg	<u> </u>	State	e CA		Zip		92122			Co	untry		US
Manie Of IIIV	ontor								1 1 4	not					
				M - 818					<u> </u>	pei	tition has been fi				ned inventor
		ame (first a		dle [if an	yl)				^	pei	Family Nar	ne or	Sumar		ned inventor
Inventor's 9	Given N	ame (first a		dle [if an	y])				^	per	Family Nar	ne or die u	Surnar IX		ned inventor
Inventor's S	Given N	Kevi		dle [if an	xi) Noll	<u> </u>				per	Family Nar	ne or	Surnar IX		ned inventor
Residence:	Given Noting Given Given Given Noting Given Given Noting	Kevi Solana B	in W each	Ü	y]) MU State	/// c	,	Co	. untry		Family Nar	ne or dieu Dat	Surnar IX	ne 3	US
	Given Noting Given Noting Gity City Address	Kevi	in W each	Ü	noll	//		Co			Family Nar Ca	ne or dieu Dat	Sumar X e //Y/o	ne 3	

U.S. Par	ent Applica Nun	tion or PCT Pa iber	rent	P	arent Fil (MM/DD					Patent N applicable	
	10/29	1,030		No	v mbe				t	***	
	10/60	9,060			June 28	, 200	3.				
Addition	al U.S. or P	CT international	application	numbers	are listed	on a si	upplemen	tał priority data	sheet PT0	D/SB/02B	attached hereto
Direct all con	respondenc		mer Numb		34,399	OR	Соп	espondence ad	ddress bel	· wc	Į.
Name	Bruce E.										
Address		larrison & Mark	tison, LLP	`				··	 		
Address	P.O. Box	160727			1.04-4		1	· · · <u>- · · · · · · · · · · · · · · · ·</u>		72	70746 0727
City	Austin				Stat	e phone	TX (512) 264-8816			78716-0727 (512) 264-3735
		statements made	e herein of	my own k					ts made o		tion and belief are
believed to b punishable by	e true; and i	further that these	statemen	ts were m	ade with	the kno	wiedge t	hat willful false	statemen	ts and the	like so made are the validity of the
Name of Fire			· · · · · ·	 	··········			notition has be	on filed to	r thic unci	and inventor
	Given N	ame (first and m	iddle (if an	v1).		T.	A	petition has be	Name or		Auen macimu
		Tong	In BH			1		, anny	Zhang		
Inventor's S	ionature :	.i ong				1				te.	
myenior s.o	Buarne								1		
Residence:	City	San Diego		State	CA	C	ountry	US	Cit	izenship	China
Post Office		10163 Prairie	Fawn Dr.								
Post Office	Address		7				T		- 1 -		7
City		San Diego	Stat	e CA	Zi	<u> </u>	92127		Co	untry	US
Name of Inv	entor:	<u>_</u>					_ <u> </u>	petition has be	en filed fo	r this unsi	gned inventor
	Given N	ame (first and m	iddle [if an	y])				Family	Name or	Sumame	
		Yuqian C							Wong		<u> </u>
Inventor's S	ignature								Da	te	
Residence: Post Office		San Diego 11676 Cypres	e Canvon	State	CA	C	ountry	US	Cit	izenship	US
Post Office		Tioro Oypies	3 Carryon	IXU.				., 			
City		San Diego	Stat	e CA	Zij		92131	··· · · · · · · · · · · · · · · · · ·	Co	untry	US
Name of Inv	entor:	1					I A	petition has be	en filed fo	rthis unsi	aned inventor
	Given N	ame (first and m	iddle lif an	yl)		1			ly Name o		
		Robert W		4.4/		·			Hulve		
Inventor's S	ionature		, ,	1-			-		Da		
	,	1860	1/K	$\sqrt{}$,			•			10/23/2003
Residence:		Hermosa Bea		State	CA	C	ountry	US	Cit	izenship	US
Post Office		602 North Ire	na Ave								
Post Office City	Address	Redondo	State	CA	Zi	•	90277		Co	untry	us
Name of Inv	entor:	Beach	11		1		IA	petition has be	en filed fo	r this unsi	gned inventor
	Given N	eme (first and m	iddle [if an	y])			· · · · · · · · · · · · · · · · · · ·	•	Name or		
		Angel				1			Polo		
Inventor's 9	ignature "								Da	te	
Residence:		San Diego	- Daville	. State	. CA	C	ountry	. US	Cit	izenship	US
Post Office		4131 Caminit	D.LISVIIS								
City	Muuless.	San Diego	Stat	e CA	. Zi		92122	<u> </u>	1 Co	untry	US
Name of Inv	entor	Jan Diego	· J.Stat	- 1-07	- -64	•	'	491			
	<u></u>		1 A A I - P!P	. 4\			A	petition has be			
	Given N	ame (first and m	iddie [if an	y])				Fami	ly Name o		9
		Kevin				L			Cadie		
Inventor's S	ignature								Da	te	
Residence:	City	Solana Beach	1	State	CA	C	ountry	US	Cit	izenship	US
Post Office											
1 001 011100	Address	533 Canyon E	rive								
Post Office		533 Canyon E Solana Beact					92075			untry	Tus

POWER OF ATTORNEY FROM ASSIGNEE

Broadcom Corporation, a California corporation having	ing a principal p	lace of DEMACSs a
16215 Alton Parkway, Irvine, California 92618-7013, is		
interest for the United States of America (as defined i	n 35 U.S.C. § 10	00), by reason of ar
Assignment to the Assignee executed on		of an invention
known as WIRELESS HUMAN INTERFACE		
SUPPORTING BOTH BIOS AND OS INTERFAC		
No. BP2867), which is disclosed and claimed in a pate		
inventor(s) Tong Zhang, Yuqian C. Wong, Robert W. H	ulvey, Angel Polo	, and Kevin Cadieux
(said application filed on	at the U.S. Par	tent and Trademark
Office, having Application Number).	

The Assignee hereby appoints the U.S. attorneys associated with Garlick, Harrison & Markison, LLP to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Bruce E. Garlick, Registration No. 36,520, James A. Harrison, Registration No. 40,401, Timothy W. Markison, Registration No. 33,534, Shayne X. Short, Registration No. 45,105, William W. Kidd 31,772; and Robert McLauchlan 44,924, Registration No. 45,105. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

GARLICK, HARRISON & MARKISON, LLP P.O. BOX 160727 AUSTIN, TEXAS 78716-0727.

Direct phone calls to Bruce Garlick at (512) 264-8816.

FOR:	Broadcom Corporation
SIGNATURE:	Stom h
BY:	Henry Samueli
TITLE:	CTO
DATE:	10/24/03

Certificate Under 37 C.F.R. § 3.73(b)

Applicat	nts:	Tong Zhang,	Yuqian C. V	Wong, Robert	W. Hulvey, A	ngel Polo, and H	Kevin Cadieux	
Applicat	ion No.:	Unknown		Filing	g Date:		, 2003	
Entitled		ELESS HUM OS INTERFA			E HOST INT	ERFACE SUP	PORTING BOTH BIO	S
Broadco	om Corpo (Name of Ass	oration ignee)		a, California (Type of Assignee, e.g.,		, university, government ag	ency,etc.)	
states th	at it is:							
1. [X]	the assig	nee of the enti	re right, title,	, and interest, o	r			
2. []	an assign	nee of an undiv	ided part into	erest				
in the pa	tent appli	ication/patent i	identified abo	ove by virtue of	either:			
A. [X] OR	An Assig recorded attached	in the Patent	ne inventor(s) and Tradema) of the patent a rk Office at Re	application/pate el, Fran	ent identified abo	ove. The assignment was which a copy thereof is	,
В. []	A chain as shown		ne inventor(s)	of the patent a	pplication/pate	nt identified abo	ve to the current assigned	9
		The document	t was recorde, Frame t was recorde	To:ed in the Patent	and Trademark r for which a co	k Office at opy thereof is att		
		The documen	t was recorde , Frame _		and Trademark r for which a co	k Office at oppy thereof is attemental sheet.	ached.	
[X] Cop	[NOTE:	A separate cont) must be sub	opy (i.e., the comitted to As		nent document ion in accordan	or a true copy of ace with 37 CFR		
The und	ersigned ((whose title is	supplied belo	ow) is empower	red to act on be	half of the assign	nee.	
Date: _	: 1		101	211	<u>/</u>			
Name: _		enry ·	Jamu	eli	-			
Title:			$\mathcal{G}_{\mathcal{G}}$					
Signatur	e:	NO.	2 ~~			L-		

ASSIGNMENT for Patent Application

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s) Tong Zhang, Yuqian C. Wong, Robert W. Hulvey, Angel Polo, and Kevin Cadieux, the undersigned inventor(s) hereby sell(s) and assign(s) to Broadcom Corporation, a California corporation having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-7013 (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box (es)	\boxtimes	for the United States of America (as defined in 35 U.S.C.
		§ 100 et seq.),
·	\boxtimes	and throughout the world,

- (a) in the invention(s) known as WIRELESS HUMAN INTERFACE DEVICE HOST INTERFACE SUPPORTING BOTH BIOS AND OS INTERFACE OPERATIONS (BP2867) for which application(s) for patent in the United States of America was filed on September 30, 2003, and assigned serial no. 10/675,803, in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s): Bruce E. Garlick, Registration No. 36,520, James A. Harrison, Registration No. 40,401, Timothy W. Markison, Registration No. 33,534, Shayne X. Short, Registration No. 45,105, William W. Kidd 31,772; and Robert McLauchlan 44,924; all of Garlick, Harrison & Markison, LLP, P.O. Box 160727, Austin, Texas 78716-0727, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Tong Zhang:	Date:
Yuqian C. Wong:	Date:
Robert W. Hulvey: M. July	Date: 10/23/2003
Angel Polo:	Date:
Kevin Cadieux:	Date:

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s): Bruce E. Garlick, Registration No. 36,520, James A. Harrison, Registration No. 40,401, Timothy W. Markison, Registration No. 33,534, Shayne X. Short, Registration No. 45,105, William W. Kidd 31,772; and Robert McLauchlan 44,924; all of Garlick, Harrison & Markison, LLP, P.O. Box 160727, Austin, Texas 78716-0727, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Tong Zhang:	Date:	9/16/03
Yuqian C. Wong:	Date:	9/16/03
Robert W. Hulvey:	Date:	
Angel Polo:	Date:	9/16/03
Kevin Cadieux: <u>Kom Canalló</u>	Date:	9/16/03